

## TABLE

## SEQUENCE LISTING

(<- next to a peptide sequence in {} signifies sequence runs C to N terminus)

5

SEQ ID NO:1:

GCACCGCAGTGCATCATCCCGAACAAATGCTAATAAA

SEQ ID NO:2:

10 AGCTTTTATTAGCATTTGTTCTGGGATGATGCACTGCG

SEQ ID NO:3:

GCACCGCAGTGCATCATCCCGAACAAAGACGGTCCGAAAAAGAAGAAAAAGAAATCTCCGTCCAAATCTTCC  
GGTTGCTAATAAA

15

SEQ ID NO:4:

AGCTTTTATTAGCAACCGGAAGATTTGGACGGAGATTTCTTTTCTTCTTTTTCGGACCGTCTTTGTTCTGGG  
ATGATGCACTGCG

20

SEQ ID NO:5:

Gly-Ser-Ser-Lys-Ser-Pro-Ser-Lys-Lys-Lys-Lys-Lys-Lys-Pro-Gly-Asp-Cys-NH<sub>2</sub>

SEQ ID NO:6:

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
 25 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 30 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 35 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys

SEQ ID NO:7:

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
 5 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 10 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys  
 Ile Ile Pro Asn Lys Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser Pro  
 15 Ser Lys Ser ser Gly Cys

SEQ ID NO:8:

linear, 2 polypeptide chains disulphide linked

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
 20 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 25 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 30 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys  
 -> <-  
 Ile Ile Pro Asn Lys Cys-S-S-(Cys Asp Gly Pro Lys Lys Lys Lys Lys  
 | |  
 CO<sub>2</sub>H CONH<sub>2</sub>  
 35 Lys Ser Pro Ser Lys Ser Ser Gly) (N-Myristoyl)

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 5 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 10 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys  
 Ile Ile Pro Asn Lys Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser Pro

->                      <-

15 Ser Lys Ser Ser Gly Cys-S-S-(Cys Asp Gly Pro Lys Lys Lys Lys Lys  
                                   |                    |  
                                   CO<sub>2</sub>H            CONH<sub>2</sub>  
 Lys Ser Pro Ser Lys Ser Ser Gly) (N-Myristoyl)

## 20 SEQ ID NO 10

linear, 2 polypeptide chains disulphide linked

1 [QCNAPWLPF ARPTNLTDEF EFPIGTYLNY ECRPGYSGRP  
 41 FSIICLKNSV WTGAKDRCRR KSCRNPPDPV NGMVHVIKGI  
 81 QFGSQIKYSC TKGYRLIGSS SATCIISGDT VIWDNETPIC  
 25 121 DRIPCGLPPT ITNGDFISTN RENFHYGSVV TYRCNPGSGG  
 161 RKVFELVGEP SIYCTSNDQ VGIWSGPAPQ CIIPNKCTPP  
 201 NVENGILVSD NRSLSLNEV VEFRCQPGFV MKGPRRVKCQ  
 241 ALNKWEPELP SCSRVCQPPP DVLHAERTQR DKDNFSPGQE  
 281 VFYSCEPGYD LRGAASMRCT PQGDWSPAAP TCEVKSCDDF  
 30 321 MGQLLNQRLV FPNLQLGAK VDFVCDEGFQ LKGSSASYCV  
 361 LAGMESLWNS SVPVCEQIFC PSPPVIPNGR HTGKPLEVFP  
 401 FGKAVNYTCD PHPDRGTSFD LIGESTIRCT SDPQNGVWS  
 441 SPAPRCGILG HCQAPDHFLF AKLKTQTNAS DFPIGTSCLKY  
 481 ECRPEYYGRP FSITCLDNLV WSSPKDVCKR KSCKTPPDPV  
 35 521 NGMVHVITDI QVGSRYNSC TTGHRIGHS SAECILSGNA  
 561 AHWSTKPPIC QRIPCGLPPT IANGDFISTN RENFHYGSVV

681 MKGPRRVKCQ ALNKWEPELP SCSRVCQPPP DVLHAERTQR  
 721 DKDNFSPGQE VFYSCEPGYD LRGAASMRCT PQGDWSPAAP  
 761 TCEVKSCDDF MGQLLNGRVL FPNLQLGAK VDFVCDEGFQ  
 801 LKGSSASYCV LAGMESLWNS SVPVCEQIFC PSPPVIPNGR  
 5 841 HTGKPLEVFP FGKAVNYTCD PHPDRGTSFD LIGESTIRCT  
 881 SDPQNGVWS SPAPRCGILG HCQAPDHFLF AKLKTQTNAS  
 921 DFPIGTSKY ECRPEYYGRP FSITCLDNLV WSSPKDVCKR  
 961 KSKTPPDVP NGMVHVITDI QVGSRYNYSC TTGHRLLIGHS  
 1001 SAECILSGNT AHWSTKPPIC QRIPCGLPPT IANGDFISTN  
 10 1041 RENFHYGSVV TYRCNLGSRG RKVFELVGEP SIYCTSNDDQ  
 1081 VGIWGPAPQ CIIPNKCTPP NVENGILVSD NRSFLSLNEV  
 1121 VEFRCQPGFV MKGPRRVKCQ ALNKWEPELP SCSRVCQPPP  
 1161 EILHGEHTPS HQDNFSPGQE VFYSCEPGYD LRGAASLHCT  
 1201 PQGDWSPEAP RCAVKSCDDF LGQLPHGRVL FPLNLQLGAK  
 15 1241 VSFVCDEGFR LKGSSVSHCV LVGMRLWNN SVPVCEHIFC  
 1281 PNPPAILNGR HTGTPSGDIP YGKEISYTC D PHPDRGMTFN  
 1321 LIGESTIRCT SDPHGNGVWS SPAPRCESV RAGHCKTPEQ  
 1361 FPFASPTIPI NDFEFPVGTS LNYECRPGYF GKMFSISCLE  
 1401 NLVWSSVEDN CRRKSCGPPP EPFNGMVHIN TDTQFGSTVN  
 20 1441 YSCNEGFRLI GSPSTTCLVS GNNVTWDKKA PICEIISCEP  
 1481 PPTISNGDFY SNNRTSFHNG TVVTYQCHTG PDGEQLFELV  
 1521 GERSIYCTSK DDQVGWSSP PPRCISTNKC TAPEVENAIR  
 1561 VPGNRSFFSL TEIIRFRCQP GFVMVGSHTV QCQTNGRWGP  
 1601 KLPHCSRVCQ PPPEILHGEH TLHQDNFSP GQEVFYSCPE  
 25 1641 SYDLRGAASL HCTPQGDWSP EAPRCTVKSC DDFLGQLPHG  
 1681 RVLLPLNLQL GAKVSFVCDE GFRLKGRSAS HCVLAGMKAL  
 1721 WNSSVPVCEQ IFCPNPPAIL NGRHTGTPFG DIPYGKEISY  
 1761 ACDTHPDRGM TPNLIGESSI RCTSDPQNG VWSSPAPRCE  
 1801 LSVPAACPHP PKIQNGHYIG GHVSLYLPGM TISYTCDPGY  
 30 1841 LLVGKGFIFC TDQGIWSQLD HYCKEVNCSF PLFMNGISKE  
 1881 LEMKKVYHYG DYVTLKCEDG YTLEGSPWSQ CQADDRWDPP

1921 LAKCTSAHC]-s-s-(CDGPKKKKKKSPSKSSG)-(N-Myristoyl)  
 |                   |  
 CO<sub>2</sub>H           CONH<sub>2</sub>

In SEQ ID NO 10, peptide sequences are given in brackets in single

linear, 2 polypeptide chains disulphide linked

20 SEQ ID No. 12

linear, 2 polypeptide chains disulphide linked

-62-

linear, 2 polypeptide chains disulphide linked

20 SEQ ID NO:14

35

CTGGAGCGGGCCCGCACCGCAGTGCATCATCCCGAACAAATGCTAATAAAAGC

SEQ ID No 16

GCTTTTATTAGCATTTGTTTCGGGATGATGCACTGCGGTGCGGGCCCGCTCCAG

SEQ ID No 17

5 linear, 2 polypeptide chains disulphide linked

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 10 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 15 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys

20 Ile Ile Pro Thr Asn Ala Asn Lys Ser Leu Ser Ser Ile Ser Cys-S-S-(Cys-  
 | |  
 Gln-Thr CONH<sub>2</sub>  
 -Asp-Gly-Pro-Lys-Lys-Lys-Lys-Lys-Lys-Ser-Lys-Ser-Ser-Gly)-NH- (Myristoyl)

SEQ ID No 18

25 Cys-Asp-Gly-Pro-Lys-Lys-Lys-Lys-Lys-Lys-Ser-Pro-Ser-Lys-Ser-Ser-Lys-NH<sub>2</sub>

SEQ ID No 19

Ser-Lys-Asp-Gly-Lys-Lys-Lys-Lys-Lys-Lys-Ser-Lys-Thr-Lys-Cys

30 SEQ ID No 20

Cys-Ser-Ala-Ala-Pro-Ser-Ser-Gly-Phe-Arg-Ile-Leu-Leu-Leu-Lys-Val

SEQ ID No 21

linear, 2 polypeptide chains disulphide linked

35 N-(myristoyl)-Gly-Ser-Ser-Lys-Ser-Pro-Ser-Lys-Lys-Lys-Lys-Lys-Pro-  
 Gly-Asp-Cys-NH<sub>2</sub>

|  
 S-S-[4-butyrimino]-N-ε(Lys) [Streptokinase]

## SEQ ID No 22

Single chain form of the 527 amino acid residue intact t-PA molecule.

Residue 478 (serine) has been modified as shown below

[SYQVICRDEKTQMIYQQHQSWLRPVLRSNRVEYCWNSGRAQCHSVPVKSCSEPRCFN  
 5 GGTCQQALYFSDFCQCEGAFAGKCEIDTRATCYEDQGISYRGTWSTAESGAECTNW  
 NSSALAQKPYSGRRPDAILRLGLGNHNYCRNPDRDSKPWCYVFKAGKYSSEFCSTPACS  
 EGNSDCYFGNGSAYRGTHSLTESGASCLPWNSMILIGKVYTAQNPSAQAALGLGKHNYC  
 RNPDGDAPWCHVLKNRRLTWEYCDVPSCSTCGLRQYSQPQFRIKGLFADIASHPWQA  
 AIFAKHRRSPGERFLCGGILISSCWILSAAHCFQERFPPHHLTIVILGRTYRVVPGEE  
 10 EQKFEVEKYIVHKEFDDDTYDNDIALQLKSDSSRCAQESSVVRTVCLPPADLQLPDW  
 TECELSGYGKHEALSPFYSERLKEAHVRLYPSSRCTSQHLLNRTVTDNMLCAGDTRSG  
 GPQANLHDACQGDGGPLVCLNDGRMTLVGII SWGLGCGQKDVPGVYTKVTNYLDWIRDNMRP]

15 Ser 478 O-4-CO-benzyl-NH(CH<sub>2</sub>)<sub>2</sub>NHCO(CH<sub>2</sub>)<sub>2</sub>-S-S- $\begin{matrix} \leftarrow \\ | \\ \text{CONH}_2 \end{matrix}$  Cys-Asp-Gly-Pro-Lys-Lys-  
 Lys-Lys-Lys-Lys-Ser-Pro-Ser-Lys-Ser-Ser-Gly)-NH-(Myristoyl)

## SEQ ID No 23

20 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 25 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 30 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys  
 Ile Ile Pro Asn Lys Asp Gly Pro Ser Glu Ile Leu Arg Gly Asp Phe  
 Ser Ser Cys

## 35 SEQ ID No 24

linear, 2 polypeptide chains disulphide linked

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn



Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 5 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys  
 10 Ile Ile Pro Asn Lys Asp-Gly-Pro-Ser-Glu-Ile-Leu-Arg-Gly Asp-Phe-

<-

Ser-Ser-Cys-S-S-(Cys-Asp-Gly-Pro-Lys-Lys-Lys-Lys Lys-Lys-Ser-Pro-Ser-  
 Lys-Ser-Ser-Gly)-NH-(Myristoyl)

15 SEQ ID No 25  
 CGCACCGCAGTGCATCATCCGAACAAAGATGGCCCGAGCGAAATTCTGCGTGGCGATTTTAGCAGCTGCTA

SEQ ID No 26  
 ACGTTAGCAGCTGCTAAAATCGCCACGCAGAATTTGCTCGGGCCATCTTTGTTTCGGGATGATGCACTGCGG  
 20 TCGGGGCC

SEQ ID No 27  
 N-(Myristoyl)-Gly-Ser-Ser-Lys-Ser-Pro-Ser-Lys-Lys-Lys-Lys-Lys-Lys-Pro-  
 Gly-Asp-(S-2-thiopyridyl)Cys-NH<sub>2</sub>

25 SEQ ID No 28  
 N-acetyl-(S-2-thiopyridyl)Cys Asp-Gly-Pro-Lys-Lys-Lys-Lys-Lys-Lys-Ser-  
 Pro-Ser Lys-Ser-Ser-(εN-(Myristoyl))Lys-NH<sub>2</sub>

30 SEQ ID No 29  
 N-(Myristoyl)-Ser-Lys-Asp-Gly-Lys-Lys-Lys-Lys-Lys-Lys-Ser-Lys-Thr-Lys-  
 (S-2-Thiopyridyl)Cys-NH<sub>2</sub>

SEQ ID No 30  
 35 N-acetyl-(S-2-thiopyridyl)Cys-Ser-Ala-Ala-Pro-Ser-Ser-Gly-Phe-Arg-Ile-  
 Leu-Leu-Leu-Lys-Val-NH(CH<sub>2</sub>)<sub>9</sub>CH<sub>3</sub>

## SEQ ID No 31

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
 5 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 10 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys  
 Ile Ile Pro Asn Lys Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser Pro  
 15 Ser Lys Ser Ser Gly Cys-S-S-(CH<sub>2</sub>)<sub>2</sub>-CONH-(CH<sub>2</sub>)<sub>12</sub>CH<sub>3</sub>

## SEQ ID No 32

linear, 2 polypeptide chains disulphide linked

N-(myristoyl)-Gly-Ser-Ser-Lys-Ser-Pro-Ser-Lys-Lys-Lys-Lys-Lys-Pro-  
 20 Gly-Asp-Cys-NH<sub>2</sub>  
       |  
       S-S-[4-butyrimino]-N-ε(Lys) [Rabbit anti-(human erythrocyte  
 membrane) antibody]

## 25 SEQ ID No 33

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
 30 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
 35 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys

SEQ ID No 34

CGCACCGCAGTGCATCATCCCGAACAAAGCGGCGCCAGCGTGATTGGCTTCCGTATTCTGCTGCTGAAAGT  
GGCGGGCTGCTA

5

SEQ ID No 35

AGCTTAGCAGCCCCGCCACTTTCAGCAGCAGAATACGGAAGCCAATCACGCTGGGCGCCGCTTTGTTCTGGGAT  
GATGCACTGCGGTGCGGGCC

10 SEQ ID No 36

linear, 2 polypeptide chains disulphide linked

Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn  
Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu  
Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys  
15 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys  
Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly  
Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg  
Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val  
Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu  
20 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn  
Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly  
Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr  
Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys  
Ile Ile Pro Asn Lys Ala Ala Pro Ser Val Ile Gly Phe Arg Ile Leu  
25 <-  
Leu Leu Lys Val Gly Cys S-S-(Cys-Asp-Gly-Pro-Lys-Lys-Lys-Lys Lys-Lys-  
Ser-Pro-Ser-Lys-Ser-Ser-Gly)-NH-(Myristoyl)